

## CLAIMS:

1. A zoom lens having at least a front lens group and a controllable lens group, characterized in that the controllable lens group comprises two lens elements which are made of different lens materials and are movable with respect to each other.
- 5 2. A zoom lens as claimed in claim 1 and having a lens stop, characterized in that the lens stop is arranged near the first lens element of the controllable lens group and is movable together with this lens group.
3. A zoom lens as claimed in claim 1 or 2, characterized in that it comprises a  
10 folding mirror arranged between the front lens group and the controllable lens group.
4. A zoom lens as claimed in claim 3, characterized in that it comprises a second folding mirror, which is arranged behind the controllable lens group.
- 15 5. A zoom lens as claimed in claim 3, characterized in that the folding mirror is integrated with the front lens group.
6. A zoom lens as claimed in claim 4, characterized in that the folding mirror is arranged such that the angle between the normal to its reflective surface and the optical axis  
20 of the front lens group is greater than  $45^{\circ}$ .
7. A camera comprising a zoom lens as claimed in any one of claims 1 to 6.
8. A hand-held apparatus comprising input means, information processing  
25 means, display means, and a camera as claimed in claim 7.